RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 10/549,648 _____

Source: _____ PCT _____

Date Processed by STIC: _____ 10/03/2005 _____

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PCT

RAW SEQUENCE LISTING   DATE: 10/03/2005
PATENT APPLICATION: US/10/549,648   TIME: 14:25:42

Input Set : A:\21810-US SeqList.txt
Output Set: N:\CRF4\10032005\J549648.raw

```
 3 <110> APPLICANT: Gregor Sagner
 4        Ingrid Bechler
 5        Jochen Bolte
 6        Dieter Heindl
 7        Hans-Peter Josel
 8        Martin Gutekunst
 9        Rudolf Sebl
10        Christoph Mueller
12 <120> TITLE OF INVENTION: Improved system for multi color real time PCR
14 <130> FILE REFERENCE: 21810 US
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/549,648
C--> 17 <141> CURRENT FILING DATE: 2005-09-15
19 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/003457
20 <151> PRIOR FILING DATE: 2004-04-01
22 <150> PRIOR APPLICATION NUMBER: EP 03017561.6
23 <151> PRIOR FILING DATE: 2003-08-03
25 <150> PRIOR APPLICATION NUMBER: EP 03014929.8
26 <151> PRIOR FILING DATE: 2003-07-01
28 <150> PRIOR APPLICATION NUMBER: EP 03007458.7
29 <151> PRIOR FILING DATE: 2003-04-04
31 <160> NUMBER OF SEQ ID NOS: 13
33 <170> SOFTWARE: PatentIn version 3.1
35 <210> SEQ ID NO: 1
36 <211> LENGTH: 22
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial
40 <220> FEATURE:
41 <221> NAME/KEY: misc_feature
42 <223> OTHER INFORMATION: Primer FactorV, forward
45 <400> SEQUENCE: 1
46 gagagacatc gcctctgggc ta                                22
49 <210> SEQ ID NO: 2
50 <211> LENGTH: 20
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial
54 <220> FEATURE:
55 <221> NAME/KEY: misc_feature
56 <223> OTHER INFORMATION: Primer FactorV, reverse
59 <400> SEQUENCE: 2
60 tgttatcaca ctggtgctaa                                   20
63 <210> SEQ ID NO: 3
64 <211> LENGTH: 23
65 <212> TYPE: DNA
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                Input Set : A:\21810-US SeqList.txt
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 66 <213> ORGANISM: Artificial
 68 <220> FEATURE:
 69 <221> NAME/KEY: misc_feature
 70 <223> OTHER INFORMATION: 3'Fluorescein labeled Hybridization Probe
 73 <400> SEQUENCE: 3
 74 aatacctgta ttcctcgcct gtc   23
 77 <210> SEQ ID NO: 4
 78 <211> LENGTH: 36
 79 <212> TYPE: DNA
 80 <213> ORGANISM: Artificial
 82 <220> FEATURE:
 83 <221> NAME/KEY: misc_feature
 84 <223> OTHER INFORMATION: 5' Red610 Hybridization Probe
 87 <220> FEATURE:
 88 <221> NAME/KEY: misc_feature
 89 <223> OTHER INFORMATION: 5' Cy5 Hybridization Probe
 92 <220> FEATURE:
 93 <221> NAME/KEY: misc_feature
 94 <223> OTHER INFORMATION: 5' Red640 Hybridization Probe
 97 <220> FEATURE:
 98 <221> NAME/KEY: misc_feature
 99 <223> OTHER INFORMATION: 5' Red705 Hybridization Probe
102 <400> SEQUENCE: 4
103 agggatctgc tcttacagat tagaagtagt cctatt   36
106 <210> SEQ ID NO: 5
107 <211> LENGTH: 19
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial
111 <220> FEATURE:
112 <221> NAME/KEY: misc_feature
113 <223> OTHER INFORMATION: Primer forward
116 <400> SEQUENCE: 5
117 tgccttgcat tttctgctt   19
120 <210> SEQ ID NO: 6
121 <211> LENGTH: 19
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial
125 <220> FEATURE:
126 <221> NAME/KEY: misc_feature
127 <223> OTHER INFORMATION: Primer reverse
130 <400> SEQUENCE: 6
131 gagttgggtg atacataca   19
134 <210> SEQ ID NO: 7
135 <211> LENGTH: 32
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial
139 <220> FEATURE:
140 <221> NAME/KEY: misc_feature
141 <223> OTHER INFORMATION: 3'-Fluorescein HybProbe 1

RAW SEQUENCE LISTING   DATE: 10/03/2005
PATENT APPLICATION: US/10/549,648   TIME: 14:25:42

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144 <400> SEQUENCE: 7
145 gaaattcttt gtttgtaata tactgctctc tc                        32
148 <210> SEQ ID NO: 8
149 <211> LENGTH: 18
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial
153 <220> FEATURE:
154 <221> NAME/KEY: misc_feature
155 <223> OTHER INFORMATION: 5'-Red610 HybProbe 1a
158 <400> SEQUENCE: 8
159 tgatttggtc cacgtacc                                        18
162 <210> SEQ ID NO: 9
163 <211> LENGTH: 19
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial
167 <220> FEATURE:
168 <221> NAME/KEY: misc_feature
169 <223> OTHER INFORMATION: 5'-Red640 HybProbe 1b
172 <400> SEQUENCE: 9
173 tgatttggtc caagtaccc                                       19
176 <210> SEQ ID NO: 10
177 <211> LENGTH: 37
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial
181 <220> FEATURE:
182 <221> NAME/KEY: misc_feature
183 <223> OTHER INFORMATION: 3'-Fluorescein HybProbe 2
186 <400> SEQUENCE: 10
187 gttggagacg tctgcaggta tgtattcata gactcaa                   37
190 <210> SEQ ID NO: 11
191 <211> LENGTH: 20
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial
195 <220> FEATURE:
196 <221> NAME/KEY: misc_feature
197 <223> OTHER INFORMATION: 5'-Red705 HybProbe 2
200 <400> SEQUENCE: 11
201 atcttcaatt gttcgaggtt                                      20
204 <210> SEQ ID NO: 12
205 <211> LENGTH: 28
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature
211 <223> OTHER INFORMATION: 3'-Fluorescein HybProbe 3
214 <400> SEQUENCE: 12
215 atttccttgg ggagaaatct cgtgccca                             28
218 <210> SEQ ID NO: 13
219 <211> LENGTH: 38
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220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <223> OTHER INFORMATION: 5'-RedCy5 HybProbe 3
228 <400> SEQUENCE: 13
229 acctggtgat gaatccctta ctatttagaa taaggaac                    38
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 10/03/2005
PATENT APPLICATION: **US/10/549,648**   TIME: 14:25:43

Input Set : **A:\21810-US SeqList.txt**
Output Set: **N:\CRF4\10032005\J549648.raw**

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13

VERIFICATION SUMMARY   DATE: 10/03/2005
PATENT APPLICATION: US/10/549,648   TIME: 14:25:43

    Input Set : **A:\21810-US SeqList.txt**
    Output Set: **N:\CRF4\10032005\J549648.raw**

L:16 M:270 C: Current Application Number differs, Replaced Application Number
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date